

# NITC Strategic Initiatives

## 2014-2016

### Network Nebraska Strategic Initiative Action Items (Recommendations for 2014-2016)

**1. Identify Tier II communities that offer opportunities for aggregation for services onto the network.**

**1a. Action: Education entities will act as primary tenants to encourage the aggregation of data transport by public libraries through leased circuits.**

**Lead:** K-12 districts, ESUs, colleges/universities

**Participating Entities:** Specific communities, Office of the Chief Information Officer, NITC Education Council, Nebraska Library Commission, and public libraries

**Timeframe:** 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation with minor revisions

**2. The Chief Information Officer will continue the LB 1208 implementation by annually bidding infrastructure and connectivity for new regions of participants and developing the most cost-effective and efficient support structure possible for the statewide network.**

**2a. Action: The Chief Information Officer will encourage the use of the State master purchase contracts for edge devices and other equipment and monitor the local site purchases of such equipment in order to promote and encourage network equipment standardization.**

**Lead:** Office of the Chief Information Officer

**Participating Entities:** Office of the Chief Information Officer, ESU-NOC, Education Council, Network Nebraska-Education Advisory Group

**Timeframe:** 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation with minor revisions

**3. Offer Internet I services to eligible network participants.**

**3a. Action: The Collaborative Aggregation Partnership (CAP) will accept new orders for Internet service and continue to aggregate purchasing demand to secure a more economical price for statewide Internet service.**

**Lead:** Network Nebraska (CAP)

**Participating Entities:** Office of the Chief Information Officer, NITC Education Council, ESU-NOC, Higher Education Entities, Network Nebraska-Education Advisory Group

**Timeframe:** 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation

**4. Prepare for the future of Network Nebraska as a statewide, multipurpose, high capacity, scalable telecommunications network that shall meet the demand of state agencies, local governments, and educational entities as defined in section 79-1201.01.**

**4a. Action: Develop appropriate participation criteria (e.g. type of entity, bandwidth expectations, differential fees) for Network Nebraska to serve all network participants (i.e. public/nonpublic K-12, public/nonpublic higher education, public libraries, others).**

**Lead:** Network Nebraska—Education Advisory Group

**Participating Entities:** Network Nebraska (CAP), NITC Education Council

**Timeframe:** 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation with minor revisions

**4b. Action: Develop a catalog of services for Network Nebraska participants.**

**Lead:** Network Nebraska—Education Advisory Group

**Participating Entities:** NITC Education Council, Network Nebraska (CAP)

**Timeframe:** 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation with minor revisions

**4c. Action: Bi-annually reissue the Network Nebraska Marketing Survey and subsequent Report to help steer the strategic direction of Network Nebraska—Education.**

**Lead:** Education Council Marketing Task Group

**Participating Entities:** Network Nebraska—Education Advisory Group.

**Timeframe:** 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation with minor revisions

**4d. Action: Annually update the Network Nebraska Marketing Plan.**

**Lead:** Education Council Marketing Task Group

**Participating Entities:** Network Nebraska—Education Advisory Group.

**Timeframe:** 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation

**4e. Action: Facilitate the implementation and training of IPv6 routing on a timely basis across all Network Nebraska entities.**

**Participating Entities:** Network Nebraska (CAP), Office of the Chief Information Officer, Network Nebraska-Education Advisory Group, ESU-NOC, higher education entities

**Timeframe:** 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation

**4f. Action: Address the need for multiple Internet egress points and redundant transport pathways within the Network Nebraska backbone.**

**Lead:** Network Nebraska—Education Advisory Group

**Participating Entities:** Collaborative Aggregation Partnership, Education Council Services Task Group, ESU Network Operations Committee

**Timeframe:** 2014-2016

**Funding:** Substantial funding may be required for this action item

**Status:** New

## **Digital Education Strategic Initiative Action Items (Recommendations for 2014-2016)**

- 1. Action: Promote the usage of the National Repository for Online Courses (NROC) content by Nebraska educators.**

**Lead:** ESU Coordinating Council

**Participating Entities:** NITC Education Council

**Timeframe:** 2014-2016

**Funding:** Some funding will be required to complete this action item.

**Status:** Continuation with minor revisions

- 2. Action: Fully deploy a statewide digital content repository interface that allows the assignment of digital property rights and the uploading, cataloguing, metatagging, searching, and downloading of digital learning objects by Nebraska educators.**

**Lead:** Nebraska Educational Telecommunications (NET) & ESU Coordinating Council

**Participating Entities:** Nebraska Department of Education, Education Council Services Task Group, ESU Instructional Materials Committee, ESU Distance Education Advisory Committee

**Timeframe:** 2014-2016

**Funding:** Considerable funding will be required to complete this action item.

**Status:** Continuation with minor revisions

- 3. Action: Develop and deploy a statewide learning management system for every K-12 teacher and learner, grades 6-12.**

**Lead:** ESU Coordinating Council

**Participating Entities:** NITC Education Council, ESU Technology Affiliate Group

**Timeframe:** 2014-2016

**Funding:** Considerable funding will be required to complete this action item.

**Status:** Continuation with minor revisions

**4. Action: Train teachers in effective instructional design to integrate synchronous and asynchronous technologies.**

**Lead:** ESU Coordinating Council

**Participating Entities:** NITC Education Council, ESU Technology Affiliate Group

**Timeframe:** 2014-2016

**Funding:** Some funding will be required to complete this action item.

**Status:** Continuation with minor revisions

**5. Action: Coordinate and facilitate a statewide directory services federation effort that will enable students and teachers a single sign-on to associated learning management services and content management resources.**

**Lead:** ESU Coordinating Council & Nebraska Department of Education (NDE)

**Participating Entities:** ESU-NOC, ESU-IMAT, UNCSN

**Timeframe:** 2014-2016

**Funding:** Some funding will be required for this action item

**Status:** Continuation with minor revisions

**6. Action: Coordinate and facilitate a statewide data dashboard system that allows teachers and administrators the ability to merge local achievement data with statewide testing data to depict each student's academic progress.**

**Lead:** Nebraska Department of Education

**Participating Entities:** ESUCC

**Timeframe:** 2014-2016

**Funding:** Substantial funding may be required for this action item

**Status:** New

**7. Action: Research the potential feasibility of a software-based, individualized education plan for every Nebraska K-12 student that shows their progress on every state academic standard.**

**Lead:** Nebraska Department of Education

**Participating Entities:** ESUCC

**Timeframe:** 2014-2016

**Funding:** No funding required for this action item

**Status:** New

**8. Action: Provide guidelines for cooperation between K-12 and higher education institutions regarding K-12 students who are taking dual-credit courses using remote learning technologies.**

**Lead:** ESU Distance Education Advisory Committee

**Participating Entities:** Nebraska Community Colleges, Nebraska State Colleges, University of Nebraska, Coordinating Commission for Postsecondary Education

**Timeframe:** 2014-2016

**Funding:** No funding required for this action item

**Status:** New

**9. Action: Provide professional development in a "flipped learning" concept where the teaching is done on-line to provide professional developers a greater opportunity for coaching and mentoring activities during the in-person contact time.**

**Lead:** ESU Technology Affiliate Group

**Participating Entities:** ESU Staff Development Affiliate

**Timeframe:** 2014-2016

**Funding:** No funding required for this action item

**Status:** New

## **E-Government Strategic Initiative Action Items (Recommendations for 2014-2016)**

**1. Action: Annually review and update the content of the Education Portal on the State of Nebraska website.**

**Lead:** Education Council Marketing Task Group

**Participating Entities:** Nebraska.gov (Nebraska Interactive LLC)

**Timeframe:** 2014-2016

**Funding:** No funding requested for this action item at this time

**Status:** Continuation with minor revisions